ARGONNE NATIONAL LABORATORY

Argonne National Laboratory is operated by The University of Chicago for the U.S. Department of Energy

OFFICE OF SCIENCE U.S. DEPARTMENT of ENERGY

THE UNIVERSITY OF CHICAGO

The Argonne National Laboratory Named Postdoctoral Fellowship Program

The Director's Office initiated these special postdoctoral fellowships at Argonne National Laboratory, to be awarded internationally on an annual basis to outstanding doctoral scientists and engineers who are at early points in promising careers. The fellowships are named after scientific and technical luminaries who have been associated with the Laboratory and its predecessors, and the University of Chicago, since the 1940's; these include George W. Beadle (biologist), Arthur Holly Compton (high energy particle physicist), Ugo Fano (atomic physicist), Nicholas Metropolis (computational physicist), Willard Frank Libby (nuclear chemist), Glenn Seaborg (chemist), Harold Urey (nuclear chemist), Eugene Wigner (theoretical physicist), and Walter H. Zinn (nuclear reactor physicist), and will be assigned to the fellowship recipients according to the scientific or technical discipline of the fellowship holder. These fellowships complement the existing Enrico Fermi and Maria Goeppert-Meyer fellowships at Argonne.

Candidates for these fellowships must display superb ability in scientific or engineering research, and must show definite promise of becoming outstanding leaders in the research they pursue; the Laboratory intends to award four such fellowships this coming year. Fellowships are awarded for a two-year term, with a possible renewal for a third year, and carry a stipend of $70,000 per annum with an additional allocation of up to $20,000 per annum for research support and travel. The Fellows, who will be competitively selected by a special fellowship committee, are given the freedom of associating with Argonne scientists in a research area of common interest.

The Argonne National Laboratory is a highly interdisciplinary "multipurpose" laboratory operated by The University of Chicago for the US Department of Energy. The Laboratory's main activities include the following general areas:

Basic science includes experimental and theoretical work in materials science, physics, chemistry, biology, and mathematics and computer science, including high-performance computing. Argonne's exciting, cutting-edge research brings value to society today by helping lay the foundation for tomorrow's technological breakthroughs.

Scientific facilities such as Argonne's Advanced Photon Source (APS) help advance America's scientific leadership and prepare the nation for the future. The laboratory designs, builds and operates sophisticated research facilities that would be too expensive for a single company or university to build and operate. They are used by scientists from Argonne, industry, academia and other national laboratories, and often by scientists from other nations. In addition to the APS, the laboratory is also home to the Intense Pulsed Neutron Source (IPNS), the Argonne Tandem Linear Accelerator System (ATLAS) and a variety of other smaller user facilities.

Energy resources programs focus on research towards a reliable supply of efficient and clean energy for the future. Argonne scientists and engineers are developing advanced batteries and fuel cells, as well as cleaner combustion processes and advanced electric power generation and storage systems. They are also working to improve the safety and longevity of both American and Soviet-designed nuclear reactors.

Environmental management includes work on managing and solving the nation's environmental problems and promoting environmental stewardship. Research in this area includes alternative energy systems; environmental risk and economic impact and infrastructure assessments; hazardous waste site analysis and remediation planning; closed nuclear fuel cycles; and new technologies for decontaminating and decommissioning aging nuclear reactors

More specific information regarding research activities at Argonne can be obtained by viewing the overview at website http://www.anl.gov/OPA/vtour/ , as well as the more detailed websites of the various research groups and centers, which can be accessed via the home webpage www.anl.gov .

Applying for an Argonne Named Postdoctoral Fellowship:

To apply your application should include the following documents which must be sent **via e-mail** to: fellowships@anl.gov prior to the **November 14, 2003 deadline**.

- Letter of Nomination (Recommendation from individual who supports your candidacy for the fellowship.)
- Curriculum Vitae (Include the names of the Nominator and two additional references.)
- Two letters of reference (It is the candidate's responsibility to arrange that the two reference letters be sent to the Laboratory **via e-mail** prior to the **November 14, 2003 deadline**.)
- Bibliography of publications
- Bibliography of preprints
- Description of research interests to be pursued at the Laboratory (We encourage applicants to contact Argonne staff in their areas of interest in order to explore possible areas of research.)

All correspondence should be addressed to ANL Named Postdoctoral Fellowship Program. One application is sufficient to be considered for all named fellowships.

Argonne is an equal opportunity employer.